

# Safe, Clean Water Program

## Lower Los Angeles River

### Watershed Area Steering Committee (WASC)

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#### **Meeting Minutes:**

Tuesday, February 23, 2021  
1:00pm - 3:00pm  
WebEx Meeting

#### **Attendees**

##### Committee Members Present:

Dan Sharp (District)	Alex Rojas (Central Basin)
Lyndsey Bloxom* (Water Replenishment District)	Gladis Deras (South Gate)
Kristen Ruffell (LA County Sanitation)	Melissa You (Long Beach)
Stephen Scott (Long Beach Parks & Recreation)	Gina Nila (Commerce)
James Vernon (Port of Long Beach)	Adriana Figueroa (Paramount)
Marybeth Vergara* (Rivers and Mountains Conservancy)	Kelli Tunnicliff (Signal Hill)
Laura Ochoa (Lynwood)	Manny Gonez* (TreePeople)
Kedrin Hopkins (Conservation Corps of Long Beach)	Melissa Bahmanpour (River Action)
Dan Mueller (Downey)	

##### Committee Members Not Present:

None

\*Committee Member Alternate

See attached sign-in sheet for full list of attendees

### **1. Welcome and Introductions**

Ms. Gina Nila, Chair of the Lower Los Angeles River WASC, welcomed members and called the meeting to order.

Mr. CJ Caluag of the District asked for a rollcall of WASC members, and with a majority present, quorum was established, and an overview of the WebEx functions and housekeeping items was provided.

### **2. Approval of Meeting Minutes from January 14<sup>th</sup>, 2021**

The District uploaded a copy of the meeting minutes from the January 14<sup>th</sup> meeting, and Ms. Nila asked the committee members for comments or revisions.

Ms. Kristen Ruffell moved to approve the meeting minutes, with Ms. Adriana Figueroa seconding the motion. The Committee voted to approve the meeting minutes from January 14<sup>th</sup>, 2021. (Approved, see Vote Tracker sheet).

### **3. Committee Member and District Updates**

Mr. Caluag provided the District updates, beginning with 80 out of 86 Municipalities have now returned their Fund Transfer Agreements (TA) and over half are in the process of receiving their annual payment. Annual Plans that were approved are available for viewing on the Safe, Clean Water Program (SCWP) website under Municipality. Municipalities that have not submitted the required documents were requested to submit

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their TAs, Resolutions and Annual Plans by April 1<sup>st</sup>, 2021. For the Regional TAs, project developers are requested to submit their executed TAs, Resolutions, and Authorizations, Scope of Work and CEQA determinations (if applicable) as soon as possible. Finally, the SCWP's reporting module is scheduled for an April 1<sup>st</sup>, 2021 release with first Quarterly Reports due on May 15<sup>th</sup>, 2021.

Mr. Caluag then gave a brief update on project scoring, which has now wrapped up by the Scoring Committee, with watershed projects within the SCWP Projects Module being updated with their revised scores. All scored projects will be returned to each respective WASC for further discussion, with projects receiving a score of 60 or above eligible for Stormwater Investment Plan (SIP) funding consideration. Of the 62 Infrastructure Program (IP) projects scored, only 3 IPs did not receive a 60 or higher score. Please note that none of these 3 IPs are in the LLAR.

Mr. Caluag then gave an update on the Scientific Studies, stating that the District will work with the Southern California Coastal Water Research Project (SCCWRP) to provide an independent scientific analysis and review of every scientific submission in Year 2, with SCCWRP to prepare standard scientific summaries that are expected to be distributed to each WASC by April 1<sup>st</sup>, 2021.

Mr. Caluag then gave an update on the Watershed Coordinators (WC), which are in the process of submitting their Letters of Intent and insurance requirements to move forward with the contract execution, with the WC onboarding still expected in March 2021. Finally, Tax relief programs are available for low-income, senior-owned properties, as well as general income-based tax reductions and are listed on the SCWP website. Also, there is a tax credit program for property owners who have invested in storm water improvements on their property, and an appeals tool available on the SCWP website.

Ms. Nila inquired on the recent issuance of the Partial Funding for Projects guidelines. Mr. Caluag indicated that this will be further discussed at the next WASC meeting and that the guidance is available for review on the SCWP website located under the Regional Program tab.

Ms. Ruffell stated that she has heard concerns regarding a lack of communication for the projects which were funded under the Round 1 Technical Resources Program (TRP) and requested that there be a future agenda item for the TRP efforts, including having an opportunity to view the TRP proposal Scopes of Work and asked that future presenters address all Scoring Committee questions. The District indicated that TRP information and updates would be provided at future meetings.

#### **4. Ex Parte Communication Disclosures**

There were no Ex Parte communication disclosures provided.

#### **5. Public Comment Period**

Mr. Gerry Greene commented that there is some confusion regarding the Annual Plans between fiscal years 20-21 and 21-22.

#### **6. Discussion Items**

**a) Summary of feasibility studies, project concepts, and scientific studies submitted for Lower Los Angeles River WASC for consideration (SCW Program Portal)**

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Mr. Caluag provided an overview of the interactive SCWP Portal website, which includes all projects from both Round 1 and Round 2 and pertinent project details. A quick tutorial was provided including how to select filter features and utilizing the dashboard to pull any project information which will be necessary during SIP deliberations, which are anticipated to start in May 2021. Finally, for FY 21-22, this Lower Los Angeles River WASC has eight IPs and two Scientific Study projects to consider, with three IPs being presented at today's meeting.

#### **b) Presentations for Infrastructure Program ([LLAR Scoring Rubric](#)):**

##### **i) Compton Blvd Et. Al. Project**

*Presented by Thuan Nguyen of the Los Angeles County Public Works.*

Ms. Ruffell commended Mr. Thuan Nguyen for adjusting the funding portion request that is more in line with the water quality costs of the project, and asked for additional information on the location of trees, bike path access, and if L.A. County has other projects seeking funding in this Watershed Area. Mr. Nguyen noted that the trees will be planted throughout the entire project site, that the bike path will connect from the river to Atlantic Avenue, and that this is the only project that L.A. County is seeking funding for in this Watershed Area. Mr. Nguyen indicated that he would provide the WASC with design plans.

Ms. Marybeth Vergara stated that she is working on a nearby project and that this area is known as a historic equestrian community and asked if this project will include wayfinding signage for pedestrians and equestrians. Mr. Nguyen noted that there will be wayfinding signage but unsure if any are for equestrian.

Ms. Nila asked about the tributary area to the Project. Mr. Nguyen noted that the tributary area is 90 acres of unincorporated L.A. County area, but that they are partnering with the City of Compton to repair portions of City roadways within the project limits and that the project will capture 3.98 acre-feet of volume-water from a 50<sup>th</sup> percentile storm event.

##### **ii) Furman Park Stormwater Capture and Infiltration Project**

*Presented by Dan Mueller of the City of Downey, and John Hunter of John Hunter & Associates.*

Ms. Ruffell inquired about the project's scoring differences in the presentation versus what is in the Scoring Rubric and the scale of infiltration comment from the Scoring Committee (SC). Mr. John Hunter noted that this project was initially submitted as a dry weather project, but the SC requested the project be submitted as a wet-weather project, and as a result, we resubmitted it as a wet weather project, which increased the project score. Mr. Hunter noted that the SC asked where the butterfly and bird garden was going to be installed, and the project resubmittal included details showing the butterfly and bird garden to be located on the north side of the project. Finally, the project is in design with the infiltration gallery being over 1 acre in size, including 8.4 acre-feet as a design infiltration volume.

Ms. Nila asked if the project received letters of support and if it was a Regional Park. Mr. Hunter indicated that they currently have not requested/received any letters of support, but have allocated \$100,000 to conduct additional outreach. Mr. Dan Mueller stated that it is a Regional Park and that up to 70% of visitors are from out of area, and thus the park

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improvements are based on the City's Park Master Plan and goes beyond the infiltration improvements.

Ms. Vergara asked if any of the recent improvements will be disturbed during the project's construction and whether the project will add any new plants added. Mr. Mueller stated that many of the recent improvements were made in the southeast portion of the park, but that the majority of the landscape has remained unimproved. When the infiltration gallery and butterfly gardens get put in, all disturbed areas will be improved/restored, including the baseball fields, decomposed granite walking trails, and irrigation piping. Drought tolerant landscaping will be improved in the southeast area.

Ms. Figueroa asked about the project timeline, and Mr. Hunter referred to a previous slide and stated that the first two years would be design and permitting, with Year 3 obtaining the contracts, and Years 4 and 5 conducting the construction.

#### iii) Salt Lake Park Cistern Project

*Presented by Steve Forster and Cesar Roldan of the City of Huntington Park, and Gerry Greene of CWE.*

Ms. Ruffell made references to the SC's questions on the Project's water supply self-generating costs and leveraged funds. Mr. Greene noted that the project team conducted its own modelling scenarios to determine the best option for different size catchments, including that the Vernon project will proceed in the transmission corridor. Mr. Steve Forster noted that they are looking at funding sources from Huntington Park and other grant funding, but believes this was a misrepresentation as the City will be leveraging funds from its own water fund sources.

Ms. Melissa Bahmanpour asked if there were letters of support from Community-based Organizations. Mr. Cesar Roldan indicated that they have received several letters of support, including from TreePeople Inc., the L.A. Conservation Corps, and local NGOs.

Ms. Nila noted that the SC included a note in the Scoring Rubric stating that the WASC would need to confirm that the claimed benefits would be constructed and asked for additional information, in addition to the project's schedule timeline and how the City will address the project funding shortfall. Mr. Forster noted that final designs will be sent for engineering validation to ensure it meets the associated benefits listed. Furthermore, Mr. Forster indicated that the project anticipates starting the project's phase I and phase II as early as this year and completing it in 2022, with design to be completed in 2022-23, and construction beginning in 2023-24. Finally, Mr. Forster indicated that the City will use a combination of its local Measure W funds, other grant funds, and water-related funds to commit to this project as leveraged funds.

## 7. Public Comment Period

There were no public comments provided during this part of the meeting agenda.

## 8. Voting Items

There were no voting items included in this meeting's agenda.

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#### 9. Items for Next Agenda

Upcoming items for future meetings include:

- i) Presentations from the remaining FY21-22 (5) Infrastructure Program and (2) Scientific Study Project Applicants
- ii) Review of Partial Funding Guidelines
- iii) Review of FY20-21 SIP TRPs

Ms. Nila requested the District to give a summary of what this Watershed Area has funded to date. Mr. Caluag brought up the Round 1 SIP planning tool worksheet and showed the percent allocations in Years 1 through 5. Ms. Nila asked for a copy of the SIP allocations, and Mr. Caluag demonstrated where on the SCWP website to find the SIP allocations sent to the L.A. County Board of Supervisors for approval.

Ms. Kelli Tunnicliff asked if it was possible to populate the SIP planning tool worksheet as the WASC is listening to the presentations for this current round of funding, and Mr. Caluag responded that the District has a new web-based SIP planning tool that will be available in April for all WASCs to utilize with annual funding allocations.

Ms. Figueroa asked if the District had any information on the Watershed Coordinator (WC), and was specifically stating that the WASC allocated a full \$200,000 in FY 20-21, but that by the time they are onboarded, the WC will not come close to spending the \$200,000, and asked what happens with the remaining funds. Mr. Caluag responded that the WC is currently being onboarded, that the \$200,000 will be a reoccurring allocation, and that any remaining funds unused go back into the Regional Program funding totals for this Watershed Area, subject to the 85/10/5 distribution for the IP/TRP/SS programs.

Ms. Ruffell asked that for the next WASC meeting in which presentations are being made that the presenters address all of the SC comments/questions raised in the Scoring Rubric.

Ms. Vergara and Ms. Melissa You asked about the process on how to replace an alternate WASC member. Mr. Caluag stated to contact District staff to direct the individual on the process for replacing a WASC member.

#### 10. Adjournment

Ms. Nila thanked the committee members and public for their time and participation and adjourned the meeting.

**Next Meeting: Tuesday, March 23, 2021**  
**1:00PM – 3:00PM**  
**Virtual Meeting – WebEx Events**

## LOWER LOS ANGELES RIVER WASC MEETING - FEBRUARY 23, 2021

		Quorum Present				Items
Member Type	Organization	Member	Voting?	Alternate	Voting?	Meeting Minutes
Agency	District	Dan Sharp	x	Carolina Hernandez		y
Agency	Central Basin	Alex Rojas	x	Jeremy Melendez		y
Agency	Water Replenishment District	Diane Gatza		Lyndsey Bloxom	x	y
Agency	LA County Sanitation Districts	Kristen Ruffell	x	Mike Sullivan		y
Agency	Port of Long Beach	James Vernon	x	Dylan Porter		y
Community Stakeholder	Conservation Corps of Long Beach	Kedrin Hopkins	x			y
Community Stakeholder	Rivers & Mountains Conservancy	Mark Stanley		Marybeth Vergara	x	a
Community Stakeholder	TreePeople	Cindy Montanez		Manny Gonez	x	
Community Stakeholder	City of Long Beach Parks & Recreation	Stephen Scott	x	Meredith Reynolds		y
Community Stakeholder	River in Action	Melissa Bahmanpour	x	Erica Maceda		y
Municipal Members	City of Commerce					
Municipal Members	City of Bell Gardens	Gina Nila	x	Chau Vu		y
Municipal Members	City of Downey	Dan Mueller	x	Delfino Consunji		a
Municipal Members	City of Long Beach	Melissa You	x	Alvin Papa		y
Municipal Members	City of Lynwood	Laura Ochoa	x	Noe Martinez		a
Municipal Members	City of Paramount	Adriana Figueroa	x	Sarah Ho		y
Municipal Members	City of Signal Hill	Kelli Tunncliff	x	Cecil Looney		y
Municipal Members	City of South Gate	Gladis Deras	x	Clint Herrera		y
Total Non-Vacant Seats		17			Yay (Y)	13
Total Voting Members Present		17			Nay (N)	0
Agency		5			Abstain (A)	3
Community Stakeholder		5			Total	16
Municipal Members		7				Approved

**Attendees**  
**Lower Los Angeles River WASC Meeting**  
**February 23, 2021**

Lyndsey	Bloxom	Bryce	Lee
katie	m	Jeremy	Melendez
Manny	Gonez	Alysha	Chan
Stephen	Scott	Dan	Sharp
Wataru	Kumagai	Safe	Clean Water LA
Kayla	Kilgo - CWE	Adriana	Figueroa
Gladis	Deras	James	Vernon
MELISSA	YOU	Dan	Mueller
Joe	Venzon	Larry	Tortuya - CWE
B	P	Alex	Rojas
Jaime	Sayre	Mayra	Cabrera - LACFCD
Jacqueline	Mak	CJ	Caluag - LACFCD
kelli	tunncliff	john	hunter
Marybeth	Vergara	Blake	Whittington
Hans	Tremmel	kedrin	Hopkins
Cecila	Salazar	Michelle	Kim
Kristen	Ruffell	Kevin	Chang
LAURA	OCHOA	Jud	Warren
Maritsa	DRA Inc.	Gerald	Greene
Justin	Jones - LACFCD	Melissa	Bahmanpour
Amado	Castillo	Thuan	Nguyen - LA County
Jan	Dyer	Elisha	Back
Jon	Abelson	Sarai	Jimenez
Cesar	Roldan	Dylan	Porter
		Gina	Nila





# Compton Blvd Et. Al. Project

Infrastructure Program  
Los Angeles County Public Works  
Thuan Nguyen, P.E.





# Project Overview

The Project will capture, treat, and infiltrate urban and stormwater runoff as part of a complete street project to improve water quality and enhance the community.

- Improve water quality and provide community enhancements
- In design phase – requesting funds for construction
- \$600k requested from SCW Regional Funds





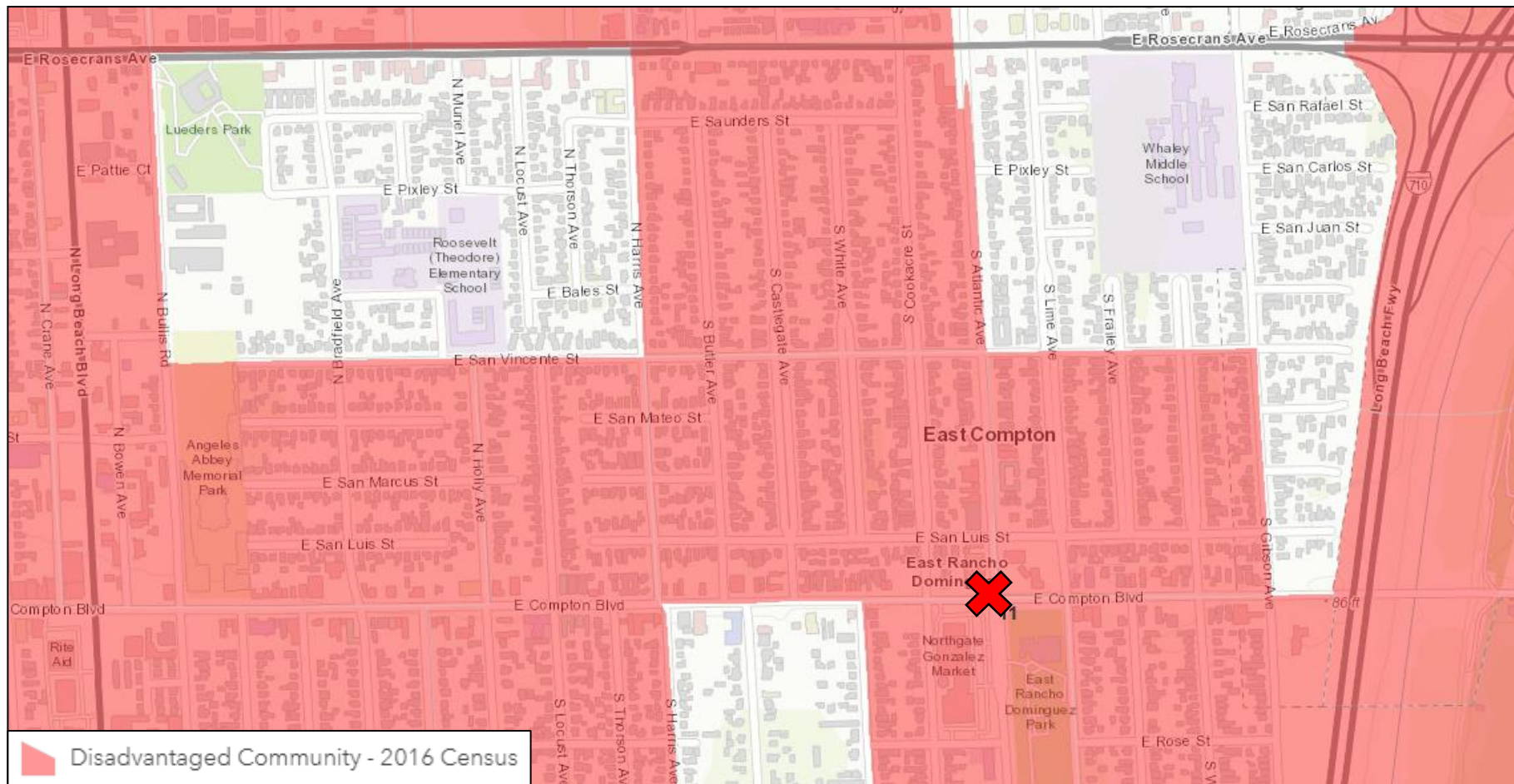
# Project Location



- Lower LA River WASC
- Unincorporated Los Angeles County: East Rancho Dominguez



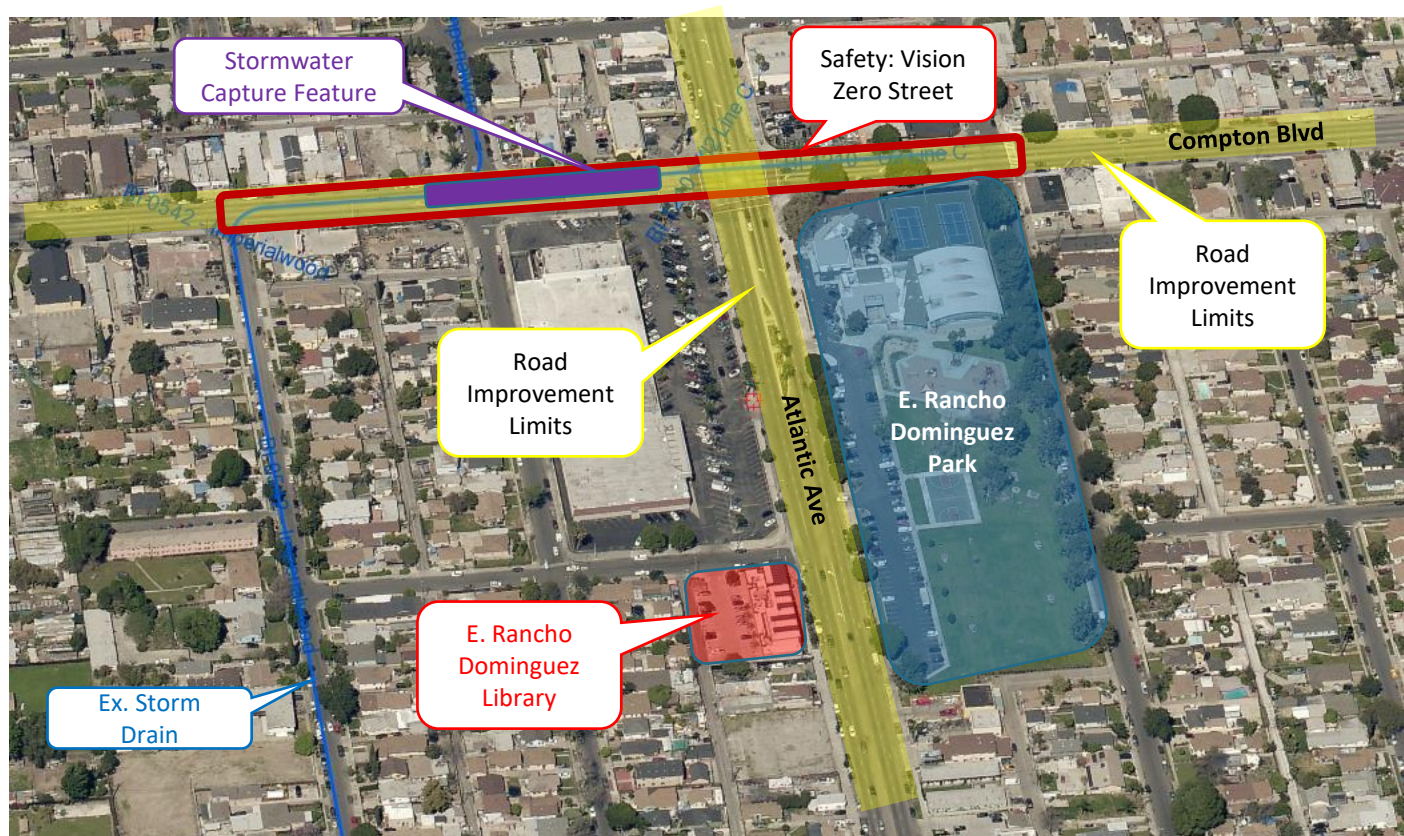
# Project Location







# Project Background



- Upper Los Angeles River Enhanced Watershed Management Program (EWMP)
- Stormwater improvements
- Pedestrian safety through sidewalk repairs & enhanced crossings
- Transportation/community enhancements



# Project Details



- Analyses:
  - Geotechnical Study
    - Infiltration feasible
  - Hydrology Analysis
    - 90 acre tributary area
    - 3.9 acre-ft (85th percentile storm)
  - Field Investigations
- Stormwater System:
  - Diversion structure
  - Pre-treatment
  - Drywells (66)
  - Bio-filtration (364 sq-ft)





# Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Concept development for stormwater elements	\$250,000	07/2020
Design	Design for stormwater elements	\$200,000	06/2021
Construction	Construction for stormwater elements	\$4,352,000	12/2022
<b>TOTAL</b>		<b>\$4,802,000</b>	

- Operation and Maintenance costs estimated \$130k/year



# Funding Request

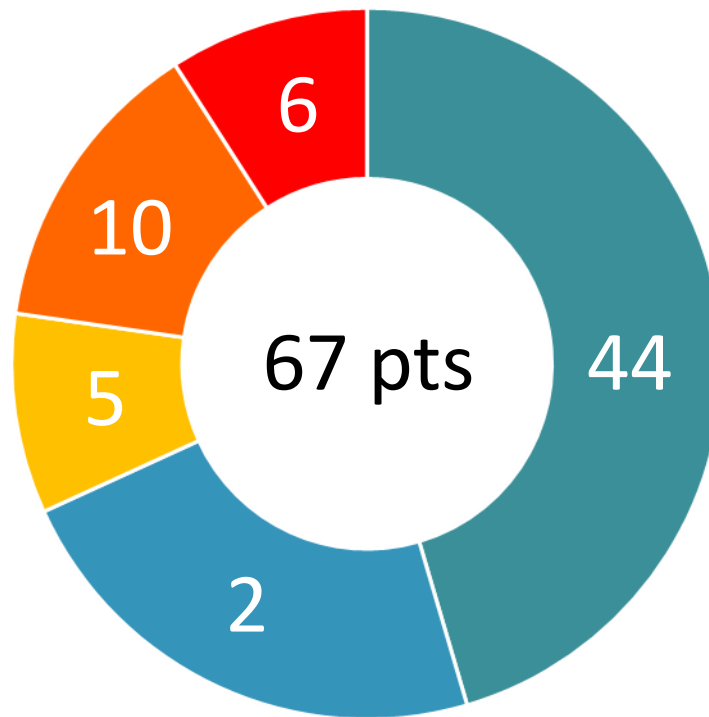
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$300,000	Construction	Construction of stormwater elements
2	\$300,000	Construction	Construction of stormwater elements
3			
4			
5			
<b>TOTAL</b>	<b>\$600,000</b>		

- Leveraged Funding amount: \$4,202,000 (87%)



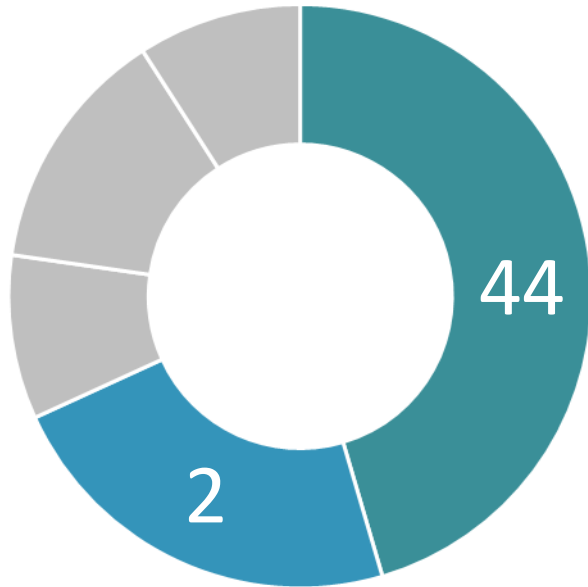
# Preliminary Score

- Water Quality
- Water Supply
- Community Investment Benefits
- Nature Based Solutions
- Leveraged Funds and Community Support





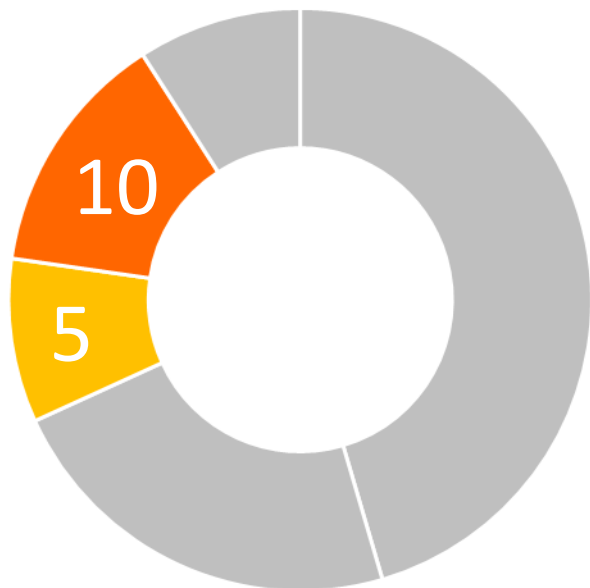
# Water Quality & Water Supply Benefits



- System will capture dry and wet weather runoff for infiltration
- 90 acre Tributary Area
- 3.9 acre-ft capacity (85th percentile design storm)
- Pollutant Reduction – Metals & Bacteria



# Community Investment Benefits and Nature Based Solutions

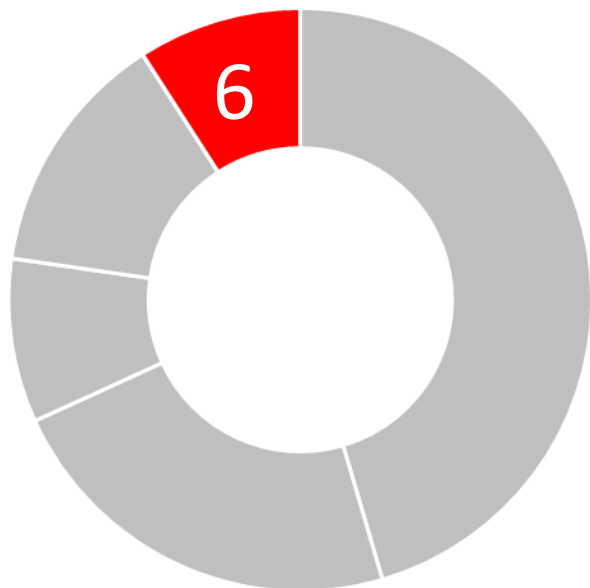


- Community Investment Benefits
  - Provides new drainage infrastructure to an area of high density and impervious area
  - Installation of 91 new trees and vegetation
  - Wayfinding signage
- Nature Based Solutions
  - Drought tolerant planting
  - Bioswales





# Leveraging Funds and Community Support



- Leveraging Funds
  - \$4,202,000 in leveraging funds from LA County SCW Municipal Funds
  - 87% funding matched
- Community Support
  - Performed community outreach in April 2019 and January 2020
  - Letters of Support
    - TreePeople
    - East Rancho Neighborhood Association
    - County Parks and Recreation



**Questions?**



An aerial photograph of a coastal city, likely Downey, California, showing a dense urban grid and a coastline. The left side of the image is overlaid with a solid teal color, which serves as a background for the text.

# Furman Park

## Stormwater Capture and Infiltration Project

Infrastructure Program

City of Downey

Presented by Dan Mueller and John Hunter



# Project Overview

Regional stormwater infiltration project that will upgrade surface features, connect irrigation to recycled water, install a bird and butterfly garden, and augment groundwater supply

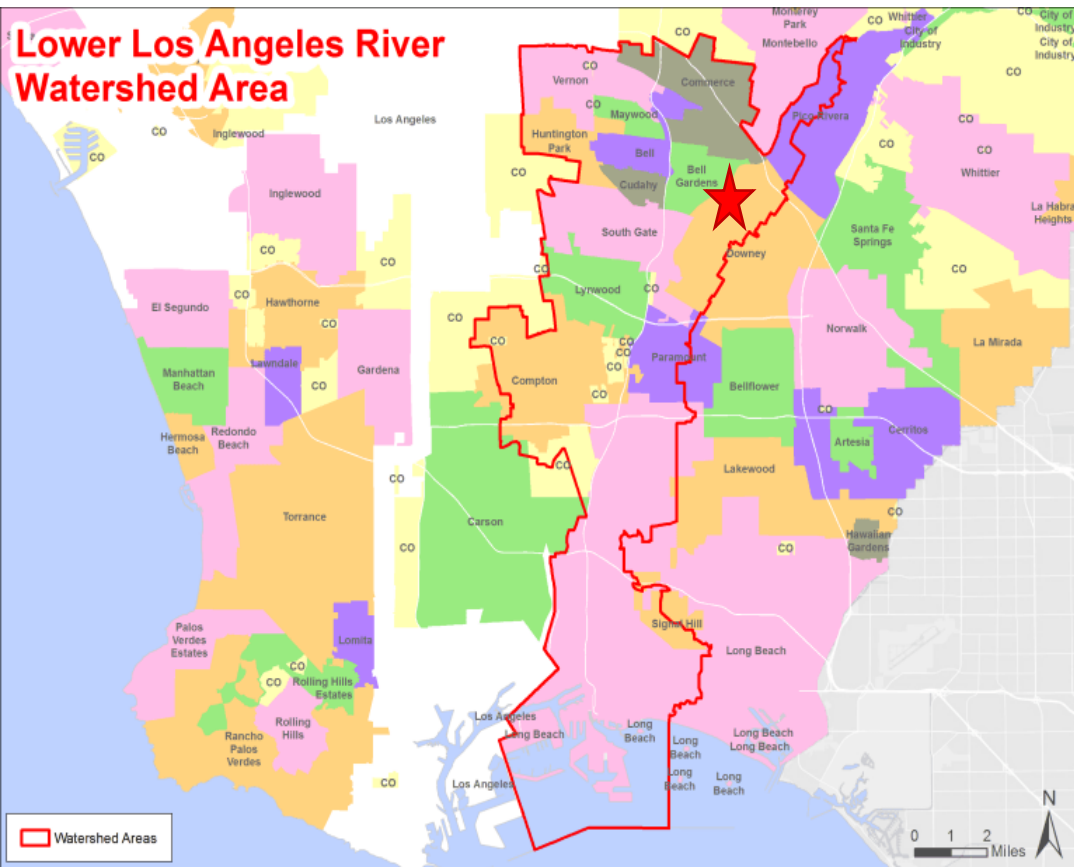
- Primary and Secondary Objectives:
  - Improve water quality within the Los Angeles River Watershed
  - Offset potable water demand at the park
  - Restore/rehabilitate park facilities
  - Educate the public on the local water supply and demands
  - Benefit nearby and downstream disadvantaged communities
- Project Phases: Design and Construction
- Project Weather Type: Wet Weather
- Funding Requested: \$12,325,670 (\$606,386 for Year 1)
- Cost Share: City intends to commit \$2,000,000 of municipal funds



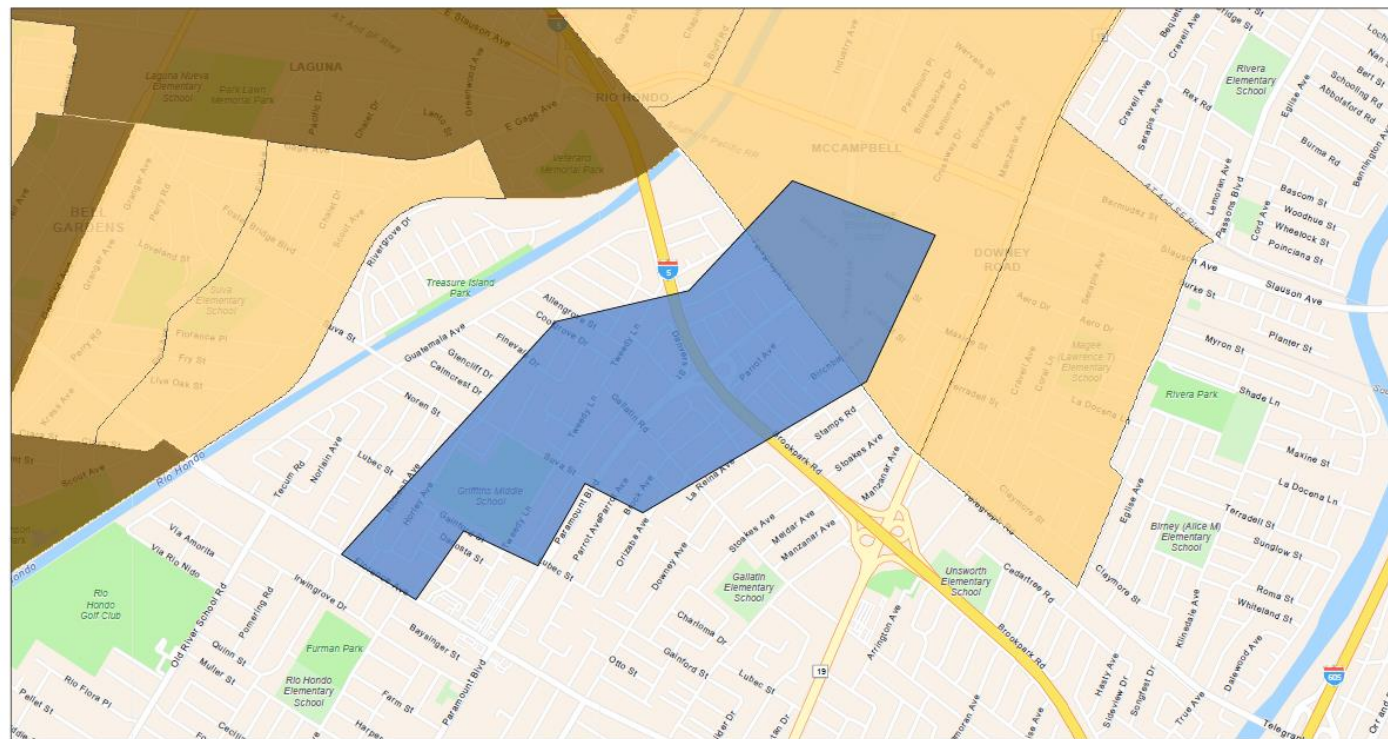




# Location



- The project is located in the City of Downey, within the Lower Los Angeles River Watershed Area



- Surrounding DACs will benefit directly from the park enhancements, and downstream DACs will benefit from improved water quality

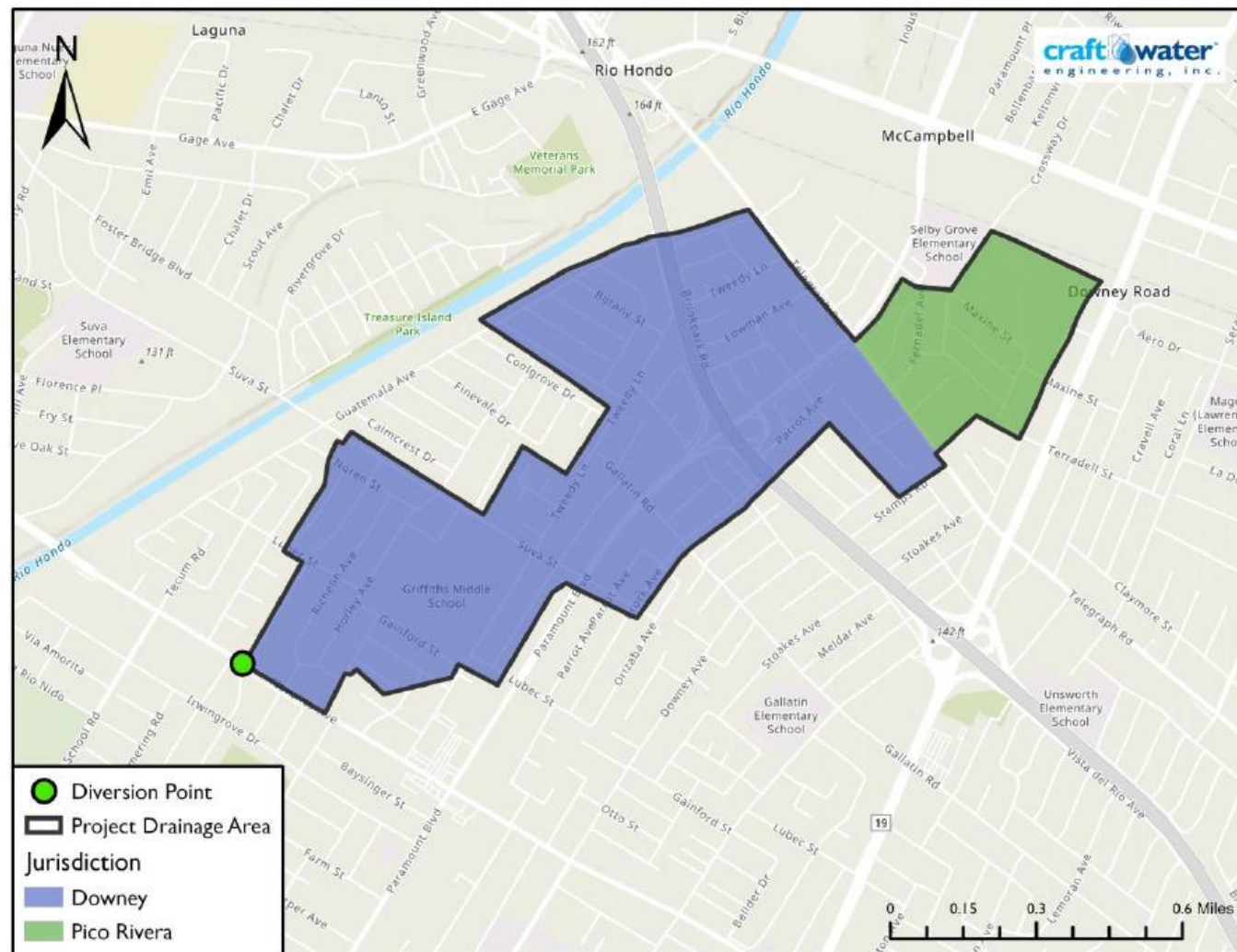




# Drainage Area

- The project has a drainage area of 475 acres, encompassing portions of the Cities of Downey (394 acres) and Pico Rivera (81 acres)
- The project is located in the Montebello Forebay area, which accounts for nearly half of total groundwater replenishment in the Central Basin Aquifer
- The drainage area encompasses an array of land uses, including the following breakdown of impervious acreage:

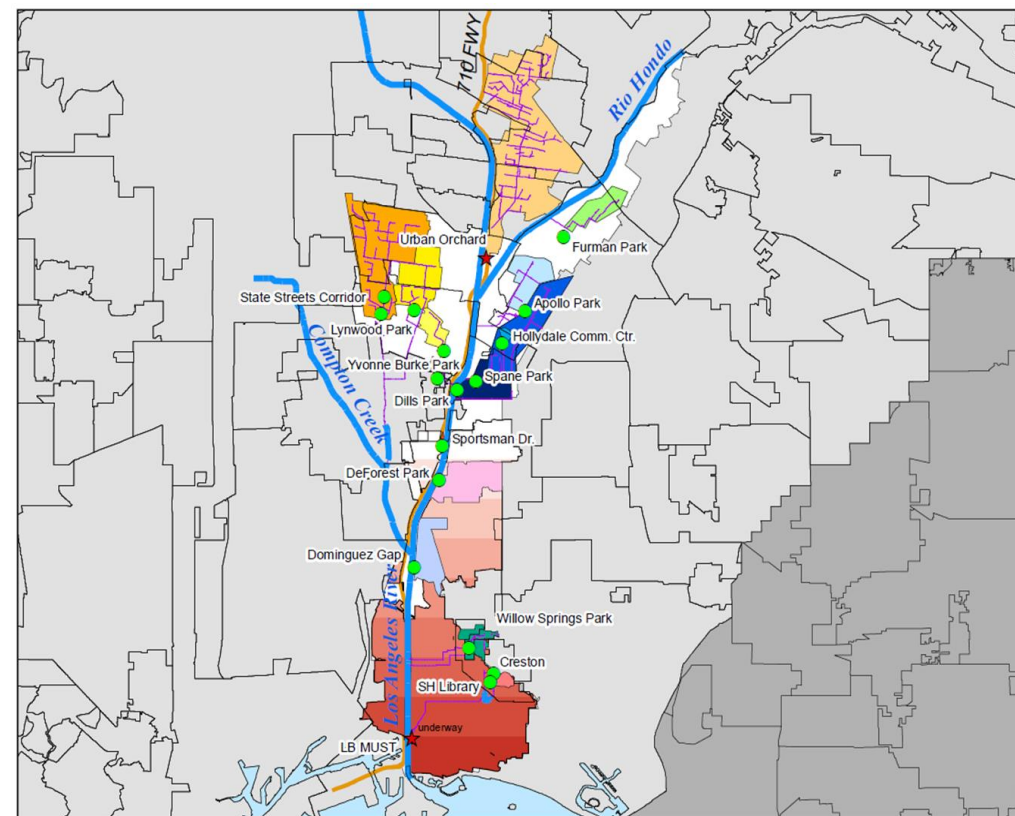
Land Use Type	Percent of Impervious	Acres
Single Family Residential	49.26	140.49
Multi-Family Residential	5.76	16.43
Commercial	8.84	25.21
Institutional	7.25	20.68
Industrial	2.13	6.07
Highways & Interstates	4.64	13.23
Secondary Roads & Alleys	22.12	63.09





# Background

- The site was identified in the LLAR WMP and has high potential due to the significant drainage area, location of the adjacent storm drains, and available development space
- The project was uploaded to the GLAC IRWMP Opti
- The LLAR Watershed Management Group (LLAR WMG) funded percolation testing in 2016 and the development of a Feasibility Study (including 10% design plans) in 2019
- Project supports the LLAR Watershed's progress toward compliance with the MS4 Permit and applicable TMDL milestones
- City of Downey utilized Measure S funds to complete the planned: new irrigation system, extension of a recycled water line to the SW park corner, vegetated bioswale to capture flow from the parking lots, permeable pavement parking lots, new turf, and improved community utilities
- Furman Park Improvements were completed in July 2020
- **Completion of the project may be necessary to achieve compliance with the Segment B Tributaries (Rio Hondo) Load Reduction Strategy and thus the Bacteria TMDL**



- The project is part of the overall Stormwater Corridor approach being taken by the LLAR Watershed Management Group





# Conceptual Layout



- Per the preliminary concept plan, the scope of the project will include:
  - Diversion and pre-treatment system
  - Underground storage reservoir (8.4 acre-feet)
  - Infiltration elements
  - Bird and Butterfly Garden
  - Surface improvements (e.g. native vegetation )
- Preliminary hydrological analyses and a utility review have been conducted
- Stormwater capture optimization methods were used when considering project alternatives



← **Using Measure S funds**, the planned vegetated bioswale and permeable pavement were completed in July 2020



# Cost Schedule

Phase Costs			
Phase	Description	Cost	Completion Date
Design	Pre-Design, Design, and Construction Support	\$ 1,052,272.00	06/2023
Design	Public and Community Outreach	\$ 100,000.00	06/2023
Design	Environmental Planning and Permitting	\$ 526,136.00	06/2023
Design	Agency Project Management (Design Phase)	\$ 263,068.00	06/2023
Construction	Construction Surveying	\$ 20,000.00	06/2025
Construction	Construction Administration	\$ 1,578,408.00	06/2026
Construction	Construction Costs	\$ 10,522,718.00	06/2026
Construction	Agency Project Management (Construction Phase)	\$ 263,068.00	06/2026
Total Funding:		\$ 14,325,670.00	

Annual Cost Breakdown	
Annual Maintenance Cost:	\$ 41,600.00
Annual Operation Cost:	\$ 20,000.00
Annual Monitoring Cost:	\$ 18,000.00
Project Life Span:	50 years



# Funding Request

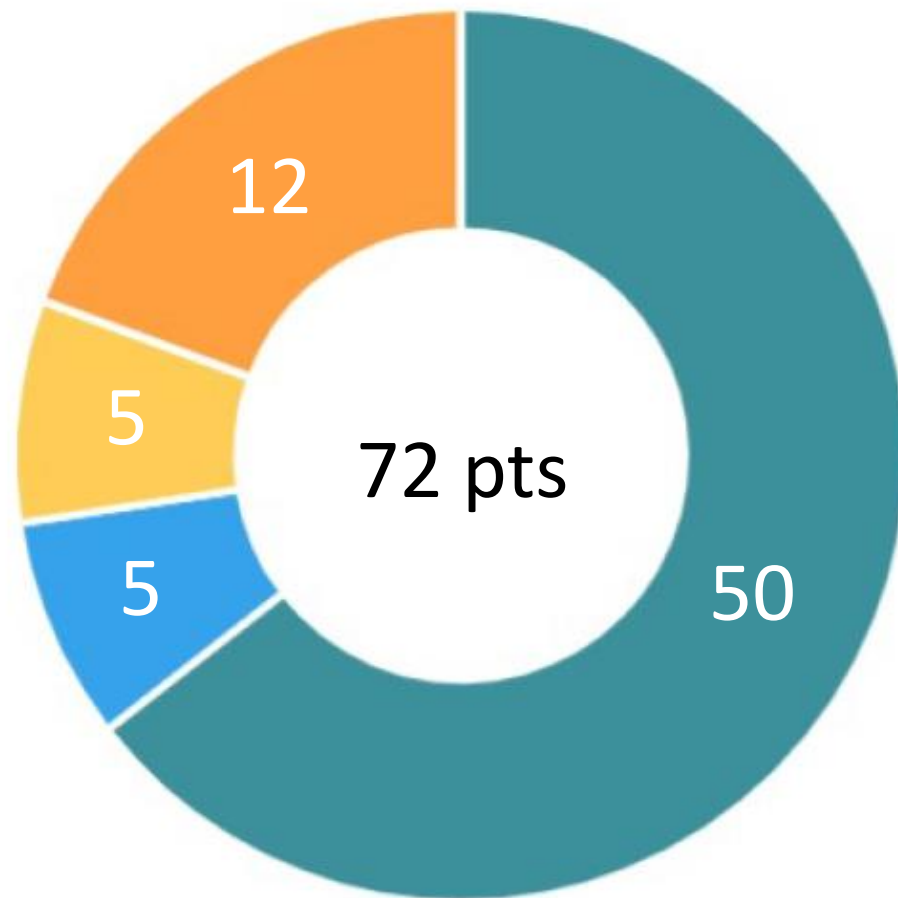
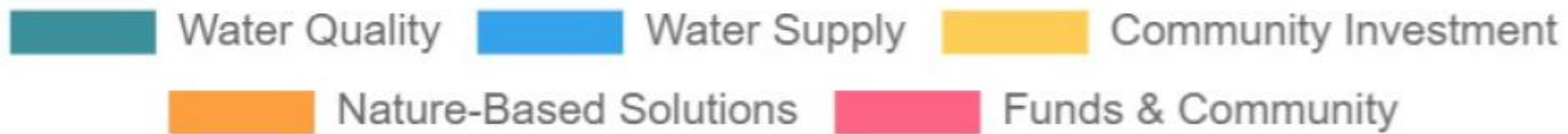
- The City of Downey will contribute a \$2,000,000 match to fund the project
- Upon completion of construction, a future SCWP funding request may be submitted for operations and maintenance and monitoring

Funding Requested by Year & Phase			
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
Year 1	\$ 606,386.00	Design	Pre-Design, Design, and Construction Support; Public and Community Outreach; Agency Project Management
Total Year 1	\$ 606,386.00		
Year 2	\$ 893,664.00	Design	Design, and Construction Support; Public and Community Outreach; Environmental Planning and Permitting; Agency Project Management
Total Year 2	\$ 893,664.00		
Year 4	\$ 5,422,817.00	Construction	Construction Surveying; Construction Administration; Construction Costs; Agency Project Management
Total Year 4	\$ 5,422,817.00		
Year 5	\$ 5,402,803.00	Construction	Construction Administration; Construction Costs; Agency Project Management
Total Year 5	\$ 5,402,803.00		
Total Funding:	\$ 12,325,670.00		



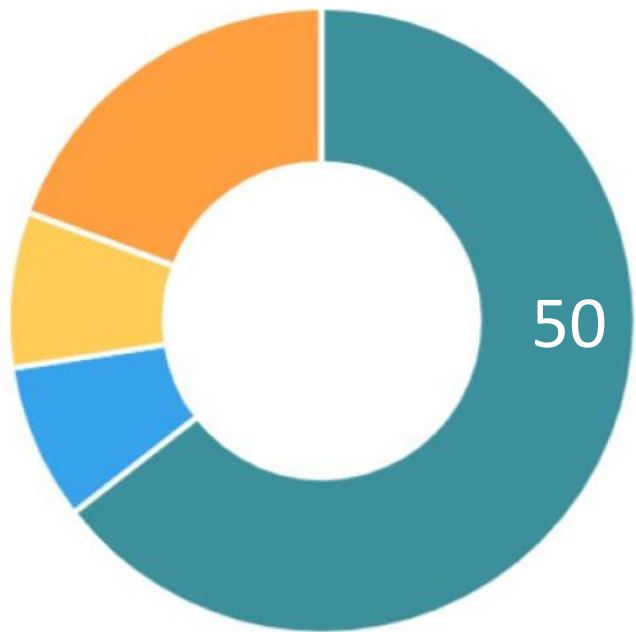


# Preliminary Score





# Water Quality Benefits – Wet Weather Project

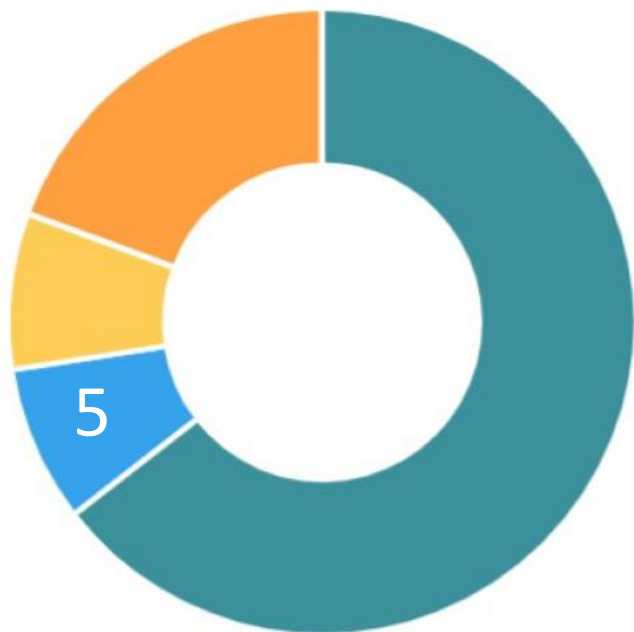


- The project will achieve its water quality objectives through runoff/pollutant diversion (50 cfs), capture, infiltration, use, and release; infiltration into the subsurface and eventual water table provide final pollutant removal
- The proposed project dimensions will capture the full 85th% storm; the proposed storage reservoir has a capacity of 8.4 acre-feet
- The project will capture runoff from a drainage area that includes 394 acres in the City of Downey and 81 acres in the City of Pico Rivera (475 acres total)
- The project will provide a long-term (10 year) water quality benefit of:
  - 98% load reduction of zinc (primary limiting pollutant)
  - 94.2% load reduction of bacteria (secondary limiting pollutant)
- Utilizing Measure S funds, the planned vegetated bioswale and permeable pavement have already been completed to treat local runoff





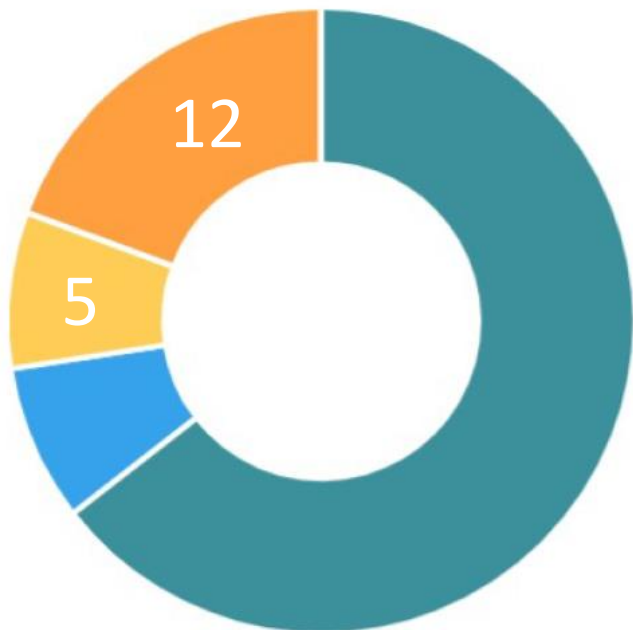
# Water Supply Benefits



- The project is located within the Montebello Forebay area, and geotechnical testing indicated extremely favorable infiltration rates:
  - 18 inches per hour at 10 feet depth
  - 51 inches per hour at 35 feet depth
- The project is connected to a managed water supply aquifer (Central Basin of the Coastal Plain, Los Angeles Aquifer)
- The project has the potential to augment groundwater supply by approximately 577.5 acre-feet on an average annual basis
- A hydrodynamic separator capable of removing 80% of particles larger than 130 microns, plus hydrocarbon flotation capability is planned
- Project will include connection to a newly extended recycled water systems



# Community Investment Benefits & Nature-Based Solutions



- Flood Management:
  - The project's detention capabilities can contribute toward enhanced flood retention capabilities of the whole storm drain system
  - Currently, the City is prone to flooding in between the Rio Hondo Reach and San Gabriel River
- Enhanced Park Space and Recreational Opportunities:
  - Connection to recycled water systems for irrigation
  - Bird and butterfly garden with educational signage above the underground storage facility
  - New exercise equipment and new competition baseball fields
  - Other planned improvements already completed in July 2020 through Measure S funds:
    - Vegetated bioswale and permeable pavement parking lots
    - Refurbishment of the tee-ball field, picnic shelters, chain-link backstops, dugout areas, playground equipment
    - Planting of native vegetation
- Reduced Heat Island Effect:
  - Landscape plans post construction include additional native trees, shrubs, and grasses to be installed



# Project Preliminary Landscape Plans



- Landscape plans post construction include the bird and butterfly garden with educational signage and additional native trees, shrubs, and grasses to be installed at underutilized areas like the flagpole



**PLAN**  
SCALE: 1" = 60'



DATE	MK	DESCRIPTION



PROJ. NO.	19002-LLAR-FURMAN
DESIGNER	O. GALANG
DRAFTER	O. GALANG
CHECKER	C. HELMLE

CITY OF DOWNEY PUBLIC WORKS DEPARTMENT

**FURMAN PARK**  
**STORMWATER CAPTURE PROJECT**  
REGIONAL STORMWATER CAPTURE PROJECT  
PRELIMINARY LANDSCAPE PLAN

SHEET 1 OF 1




# Leveraging Funds & Community Support

- The LLAR Watershed Management Group provided funding for the Feasibility Study (including 10% design plans) and the preliminary geotechnical testing for the project
- The City will contribute a \$2,000,000 match to fund the project
- The City of Downey utilized Measure S funds of \$5,200,000 to complete the planned: new irrigation system, extension of a recycled water line to the southwest corner of the park, vegetated bioswale to capture flow from the parking lots, permeable pavement parking lots, new turf, and improved community utilities. Furman Park Improvements were completed in July 2020.
- The funding request includes \$100,000 for public outreach efforts, which will include community development meetings and informational signage
- The City also plans to conduct outreach to potential project partners, including community organizations and the Lower Los Angeles River Implementation Advisory Group





# Questions?



# City of Huntington Park Salt Lake Park Infiltration Cistern Project

Safe, Clean Water Program

City of Huntington Park

Los Angeles River Upper Reach 2

Raul Alvarez, Cesar Roldan and Steve Forster





# Project Overview

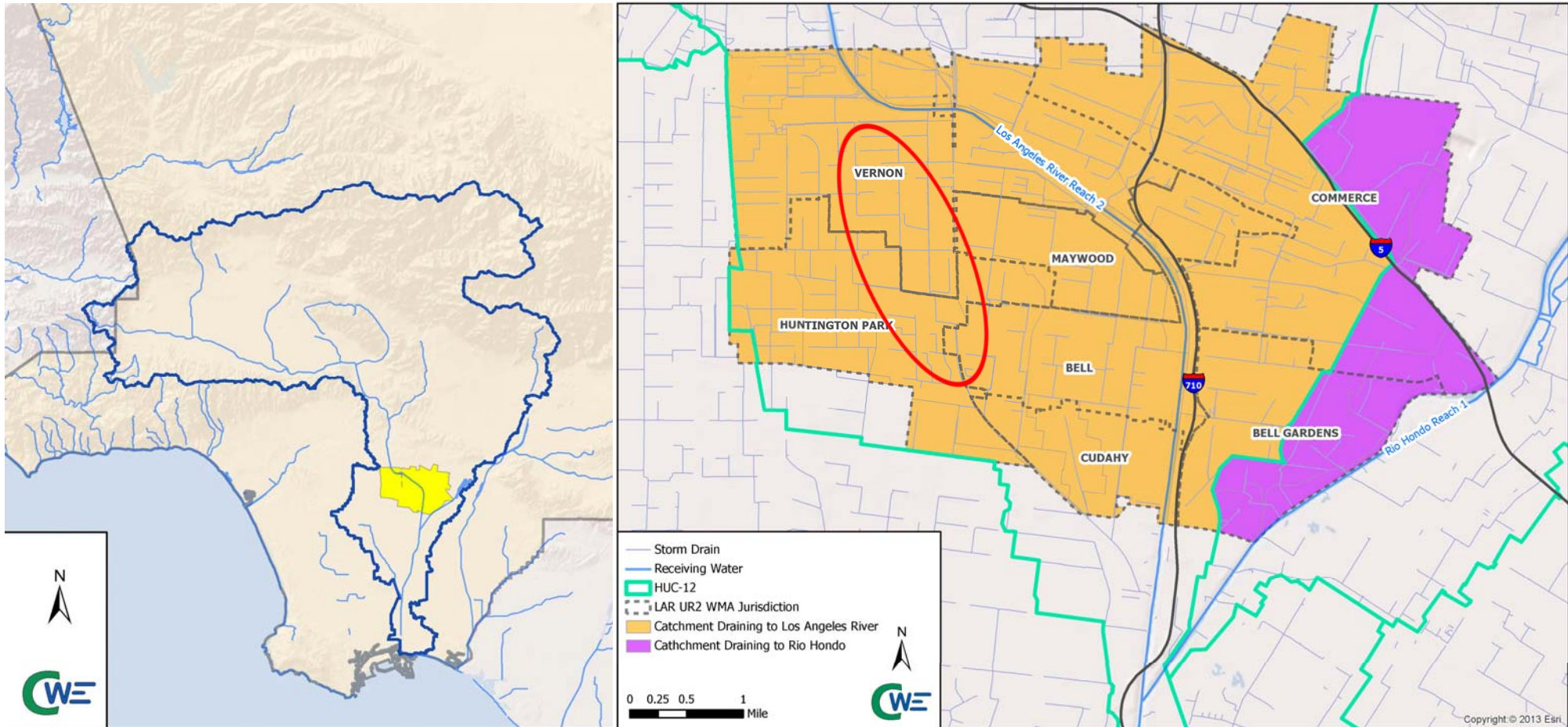
An infiltrating cistern to capture runoff, from a 605-acre subcatchment within a 1,584-acre catchment, while recharging the Central Basin.

- Contribute to the attainment of Water Quality Objectives and MS4 Permit compliance by the DAC Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon, and the LACFCD.  
Recharge an annual mean of 240 (to 550) acre-feet of runoff to the Central Basin using environmentally friendly, cost effective, natural treatments
- Funding for Planning, Design, Construction, Operation & Maintenance
- Total SCWP Regional Project Funding Request \$22,000,000





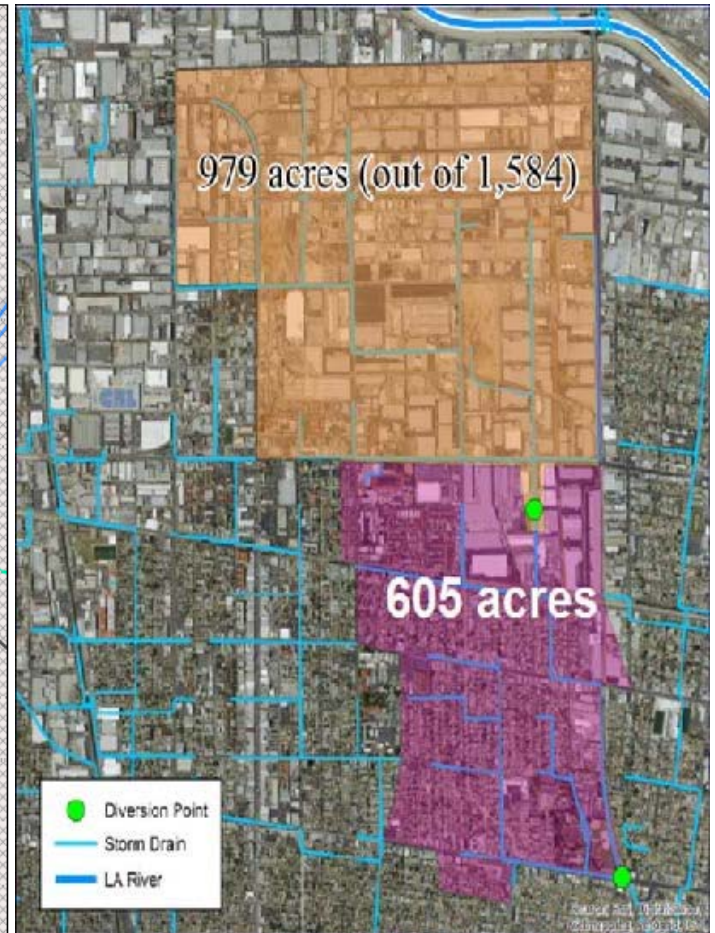
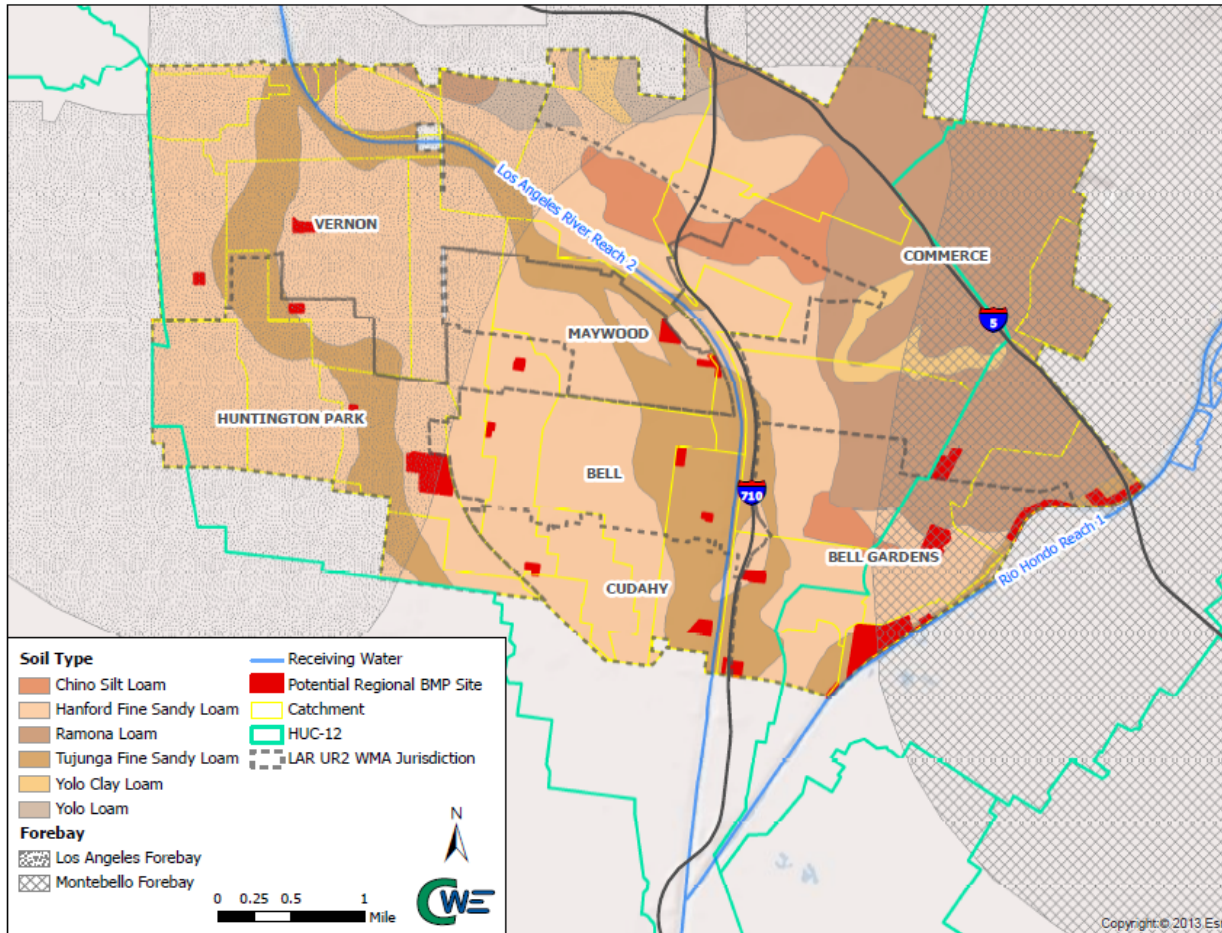
# Project Location: City of Huntington Park – Los Angeles River







# Project Location: City of Huntington Park – Los Angeles River





# Project Background

- Salt Lake Park Project Location Characteristics
  - Southern edge Los Angeles forebay: Supports Central Basin groundwater recharge objectives
  - Low in the catchment: Supports LAR Bacteria TMDL implementation/compliance and beneficial uses
  - Municipally owned land with low/no acquisition costs, easy to restore regional recreational uses and may include nature-based treatment solutions
  - No transmission line easement “constraint” as at the upstream Vernon BMP regional project location
  - In the (LARWQCB approved) LAR UR2 WMA WMP Plan, incorporated into the GLACo IRWM Plan by its Leadership Committee on October 25, 2016, then determined to be a Functionally Equivalent SW Resource Plan by the SWRCB on April 17, 2017



State Water Resources Control Board

APR 13 2017

Ms. Gina Nila  
Deputy Director of Public Works  
City of Commerce  
2535 Commerce Way  
Commerce, CA 90040

FUNCTIONALLY EQUIVALENT STORM WATER RESOURCE PLAN ACCEPTANCE;  
GATEWAY WATER MANAGEMENT AUTHORITY (AGENCY)

Dear Ms. Nila:

Thank you for submitting the Agency's functionally equivalent Storm Water Resource Plan (SWRP) and Self-Certification and Checklist to the State Water Resources Control Board (State Water Board), Division of Financial Assistance (Division) on March 1, 2017, and the revised Self-Certification and Checklist on March 21, 2017.

State Water Board staff have completed a review of the revised Self-Certification Checklist and referenced pages provided with the proposed functionally equivalent SWRP. State Water Board staff concurs that the revised Self-Certification and Checklist demonstrates that the functionally equivalent SWRP is consistent with the minimum requirements of the California Water Code Sections 10561-10573 and the State Water Board's SWRP Guidelines. **By this concurrence, the Gateway Water Management Authority and other eligible entities with projects in the functionally equivalent SWRP are eligible to receive funding from a bond act approved by voters after January 1, 2014 for storm water and dry weather runoff management projects included in the Los Angeles River Upper Reach 2 Watershed Management Area Watershed Management Program boundary area.**

This review conducted by State Water Board staff was for funding eligibility related to a bond act only. The State Water Board's review of the submitted revised Self-Certification and Checklist does not include a technical evaluation or analysis of the SWRP or any supporting documents, including the Enhanced Watershed Management Program, and no approval of these documents is provided by this letter.

Please do not hesitate to contact Spencer Joplin at (916) 341-5636, or me at (916) 341-5499, should you have any additional questions.

Sincerely,

Leslie S. Laudon, Deputy Director  
Division of Financial Assistance

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov







# Project Background

- The LAR UR2 WMA is a Disadvantaged Communities (DAC) Poster Child
  - As with the other LAR UR2 WMA MS4 Permittees, the City of Huntington Park’s CalEnviroScreen ranking is at the 95<sup>th</sup> percentile (a bad thing), while Vernon has too few residents and too much industrial/commercial land use areas to be ranked

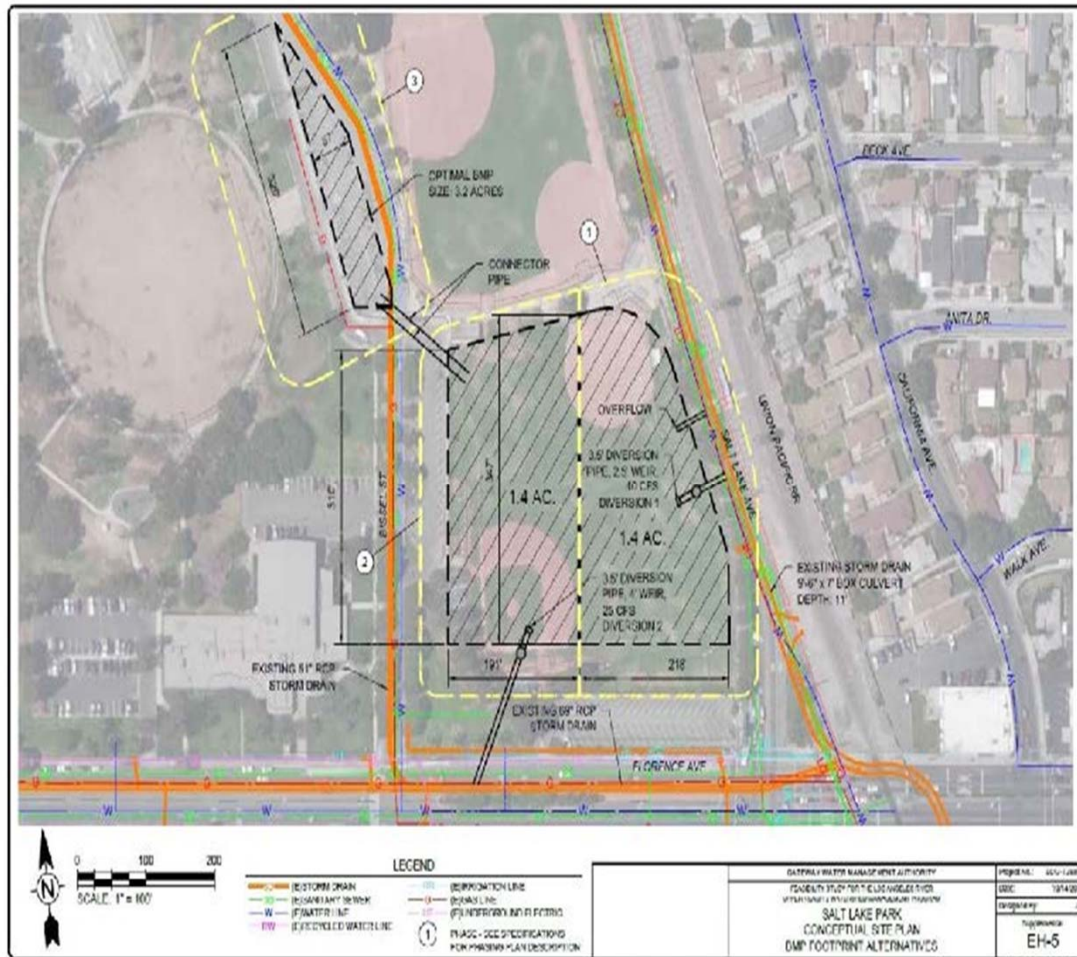


Mean Annual Load Capture (SCWP Module)		
Pollutant	1584-acre Catchment	605-acre Catchment
Total Zinc	27.0%	<b>60.3%</b>
Total Copper	25.7%	<b>59.2%</b>
Total Lead	23.3%	<b>55.4%</b>
<i>E. coli</i>	28.9%	<b>56.7%</b>

LAR UR2 WMA WMP LAR target *E. coli* load reduction 29%  
 85<sup>th</sup> %ile storm: 1" × 605 acre × ft/12" × 2/3 = 34 ac-ft



# Project Details



- Would underlie approximately 10% of the important 30-acre regional park
- Would divert dry & wet runoff flows from both a 9.5' x 7' RCB and 69" RCP
- Hydrodynamic separator pretreatment
- 32 ac-ft park cistern, infiltrating between 240 (605 acre) and 550 (1584 acre) ac-ft annually into the Central Basin aquifer
- 24-hour runoff capture capacity: 34 ac-ft
- Primary pollutants: Pathogens/Bacteria
- Secondary pollutants: Zinc/Copper/Lead, trash & litter, nitrogen nutrients, O&G
- Surface/street drainage accommodated by perimeter nature-based rain garden and vegetated infiltration trenches
- Strongly supported by April 12, 2017, Feasibility Study (w/o Vernon project)
- LAR UR2 WMA implementation success of very similar JA Ford Cistern Project





## Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Includes site investigations, stakeholder outreach, CEQA environmental impact studies, and other permitting.	\$1,000,000	08/2023
Design	Formal project design, plans, engineer's estimate, bid specifications, and construction management support.	\$1,000,000	04/2024
Construction	Construction, construction management/engineering services intermediate & final project completion audits	\$20,000,000	09/2027
<b>TOTAL</b>		<b>\$22,000,000</b>	

- Draft schedule subject to LLAR WASC prioritization and SCWP budgeting
- Noting 24% FY 20-21, 55% FY 21-22, and 77% FY 22-23 reserves by the WASC
- Annual Cistern Maintenance Cost: \$56,700 (Shared LAR UR2 WMA burden)
- Annual Monitoring Cost: \$20,000 (dependent on regulators)
- Project Life Span: approximately 50 years or longer with good O&M



# Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1 (FY 21-22?)	\$1,000,000	Planning	Phase I and Phase II environmental, geotechnical, community outreach, and start of CEQA analysis
1 (FY21-22?)	\$500,000	Design	Commence 30%, 65%, & 90% PS&E
2 (FY 22-23?)	\$500,000	Design	Complete 100% PS&E and Bid Package
2-5 (FYs 22-26?)	\$20,000,000	Construction	Soil excavation, installation of cistern
<b>TOTAL</b>	<b>\$22,000,000</b>		



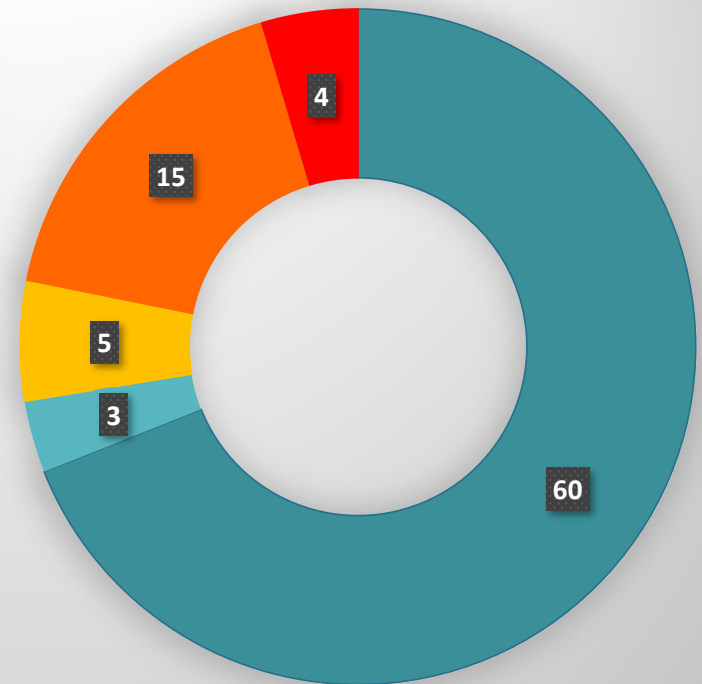


# Preliminary Score



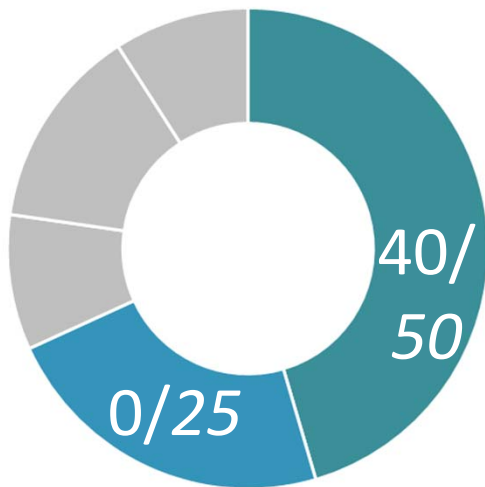
## Scoring

- Water Quality
- Water Supply
- Community Investment
- Nature Based Solutions
- Leveraged Funds and Community Support





## Water Quality & Water Supply Benefits

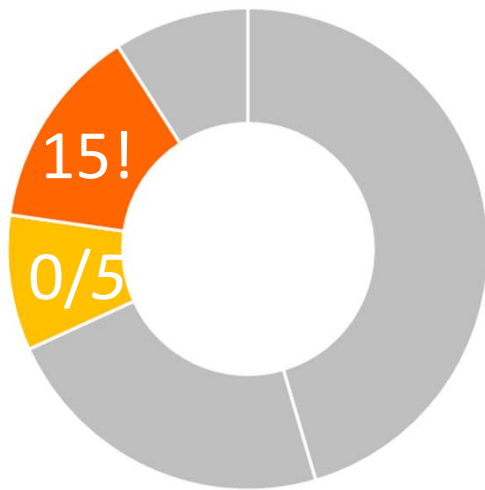


- (Lower) LAR has TMDLs for Cd, Cu, Pb, Zn, trash, nitrogen nutrients, and (pathogen) indicator bacteria (*E. coli*): Runoff capture projects, such as SLP, capture all these PoCs
- Project captures all dry runoff from 13.3% of LAR UR2 WMA
- 32 AF volume meets SCWP 24 hour 85<sup>th</sup> %ile local 1” design storm for the ultimate “nested” 605 acre design catchment
- 32 AF achieves WMP determined 29% *E. coli* reduction for the current 1,584 acre catchment, while the LAR UR2 WMA continues to actively solicit RMC P1 LLAR Grant Support for the Vernon (Power Walking Among Power Lines of PWAPLs) project
- Limiting pollutant (*E. coli*) standards suspended for > 0.5” storm and further reduced by “Allowable Exceedance Days”
- Water Replenishment District confirms SLP within the Los Angeles Forebay and Central Groundwater Basins
- Mean annual recharge volume (app) calculated at 240 to 550 AF; however, the basin recharge volume would increase to 600 AF, if the Vernon transmission line project is constructed in the future
- Runoff capture and infiltration are **the** most nature-based and cost-effective water supply augmentation treatment practices






# Community Investment Benefits and Nature Based Solutions



- Community Investment Benefits

- Renovates 2 baseball diamonds, following construction
- Renovates several parking lots, to current LID standards, delivering the captured runoff to nature-based BMPs
- Extends and expands City of Huntington Park's current successful relationship with Tree People 

- Nature Based Solutions

- New native rain garden habitat areas
- Development of educational signage with Stakeholders
- Implement vegetated infiltration trench BMPs
- Infiltration is the ultimate nature-based solution for pathogens, bacteria, and common soil metals (Cu, Pb, Zn)
- No energy intensive pumping or water reuse treatments

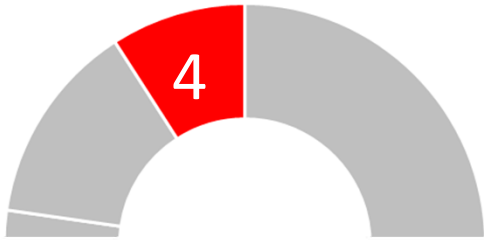
December 13, 2019

Los Angeles County Flood Control District  
Safe Clean Water Program  
900 S. Fremont Avenue  
Alhambra, California 91803

Re: Letter of Support for the Salt Lake Park Infiltration Cistern Project



# Leveraging Funds and Community Support



West Santa Ana Branch Transit Corridor  
Updated Northern Alignment



## • Leveraging Funds

- LAR UR2 WMA is continuing to search for matching funds, but you have to start somewhere (so 4 initial points is also a start)
- Successfully secured P1 SWIG and Metropolitan Water District support for John Anson Ford Cistern
- SCWP MPTA local return totals over \$2M per year
- LAR UR2 WMA submitted six RMC LLAR grant applications
- LACFCD may support due to clear nexus to their MS4

## Community Support

- No loss in regionally deficient recreational opportunities
- Coordination and collaboration with local non-profits, NGOs that promote health and wellness
- Support letters provided by Bell Gardens and Commerce
- Huntington Park, Bell, and Vernon derive WQ benefits

LLAR WASC Support: SLP was 3rd highest priority project!





**Questions?**